

MXSTEN® CV77518

Ethylene-based Plastomer

Westlake Chemical Corporation

Message:

CV77518 resin is a polyethylene plastomer designed for blown and cast film extrusion that contains no slip and no antiblock additives. Films produced with this resin exhibit a very low seal initiation temperature with a broad hot tack window. Other features of this resin include higher stiffness, high melting point, and ease of processing for narrow die gaps.

Application/Uses:

Blown film

Cast film

Packaging

General Information			
Features	Low temperature heat sealability		
	Rigidity, high		
	Compliance of Food Exposure		
Uses	Packaging		
	Films		
	cast film		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Blow film		
	cast film		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D4883
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
secant modulus ¹			ASTM D882
1% secant, MD: 25 µm, blown film	152	MPa	ASTM D882
1% secant, TD: 25 µm, blown film	172	MPa	ASTM D882
Tensile Strength ²			ASTM D882
MD: Broken, 25 µm, blown film	35.0	MPa	ASTM D882
TD: Broken, 25 µm, blown film	40.0	MPa	ASTM D882
Tensile Elongation ³			ASTM D882
MD: Broken, 25 µm, blown film	700	%	ASTM D882
TD: Broken, 25 µm, blown film	1200	%	ASTM D882
Dart Drop Impact ⁴ (25 µm, Blown Film)	400	g	ASTM D1709A

Elmendorf Tear Strength ⁵			ASTM D1922
MD: 25 µm, blown film	300	g	ASTM D1922
TD: 25 µm, blown film	550	g	ASTM D1922
Seal Initiation Temperature ⁶ (25 µm, Blown Film)	88.0	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.4 µm, Blown Film)	55		ASTM D2457
Haze (25.4 µm, Blown Film)	13	%	ASTM D1003
Additional Information			

Extrusion conditions used to produce 1 mil (0.025 mm) film include a 6" die, 2.5" 24:1 L:D barrier screw, 2.4:1 BUR, 100-mil die gap, 15" frostline height, 400° F melt temperature, and 7.5 lb/hr/inch die output. Density results are on Base Resin.

NOTE

- | | |
|----|---|
| 1. | Test run at 23°C (73°F) and 50% relative humidity |
| 2. | Test run at 23°C (73°F) and 50% relative humidity |
| 3. | Test run at 23°C (73°F) and 50% relative humidity |
| 4. | Test run at 23°C (73°F) and 50% relative humidity |
| 5. | Test run at 23°C (73°F) and 50% relative humidity |
| 6. | Seal initiation temperature is the temperature at which 200 g/inch seal strength is achieved. |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT